

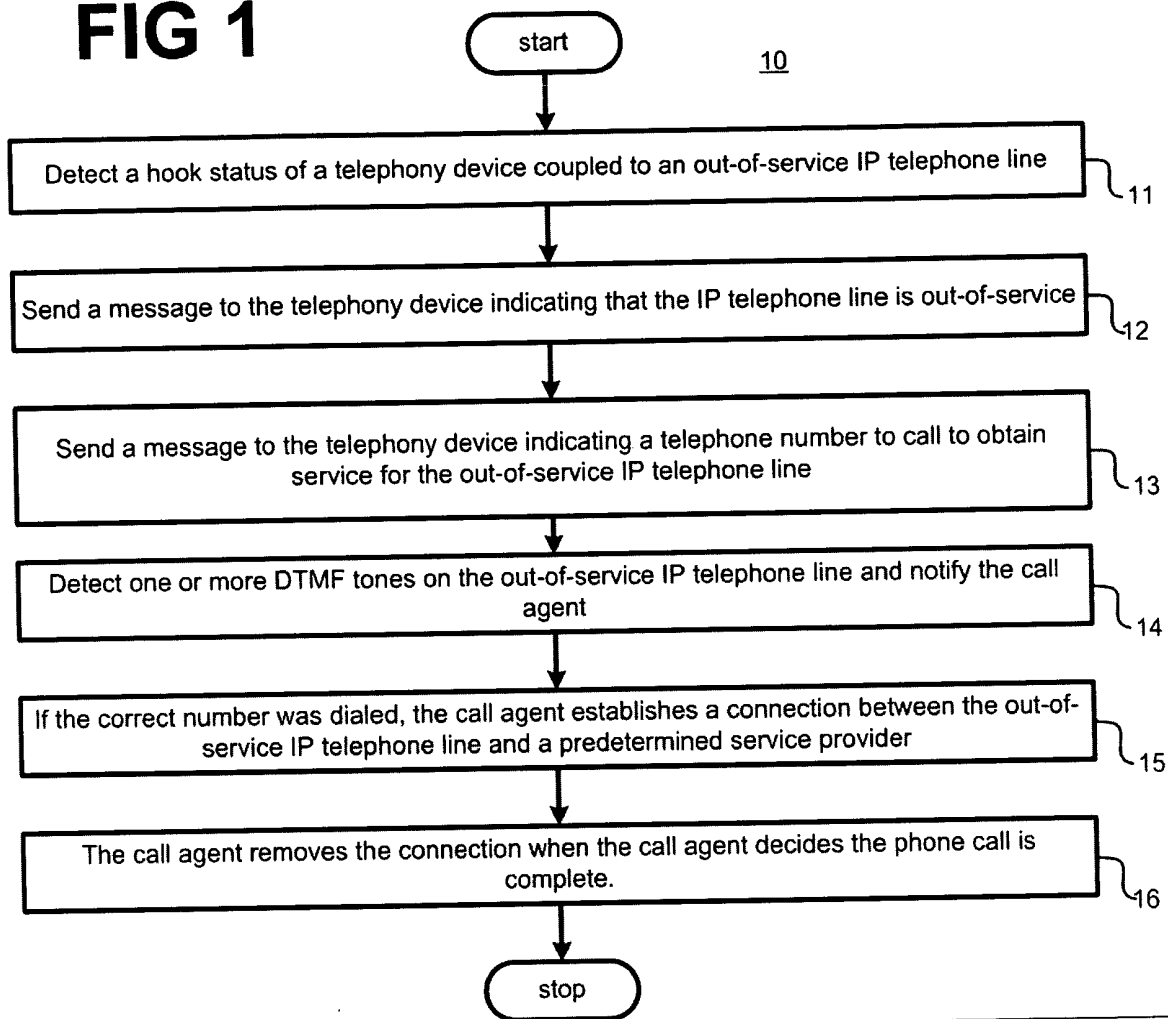
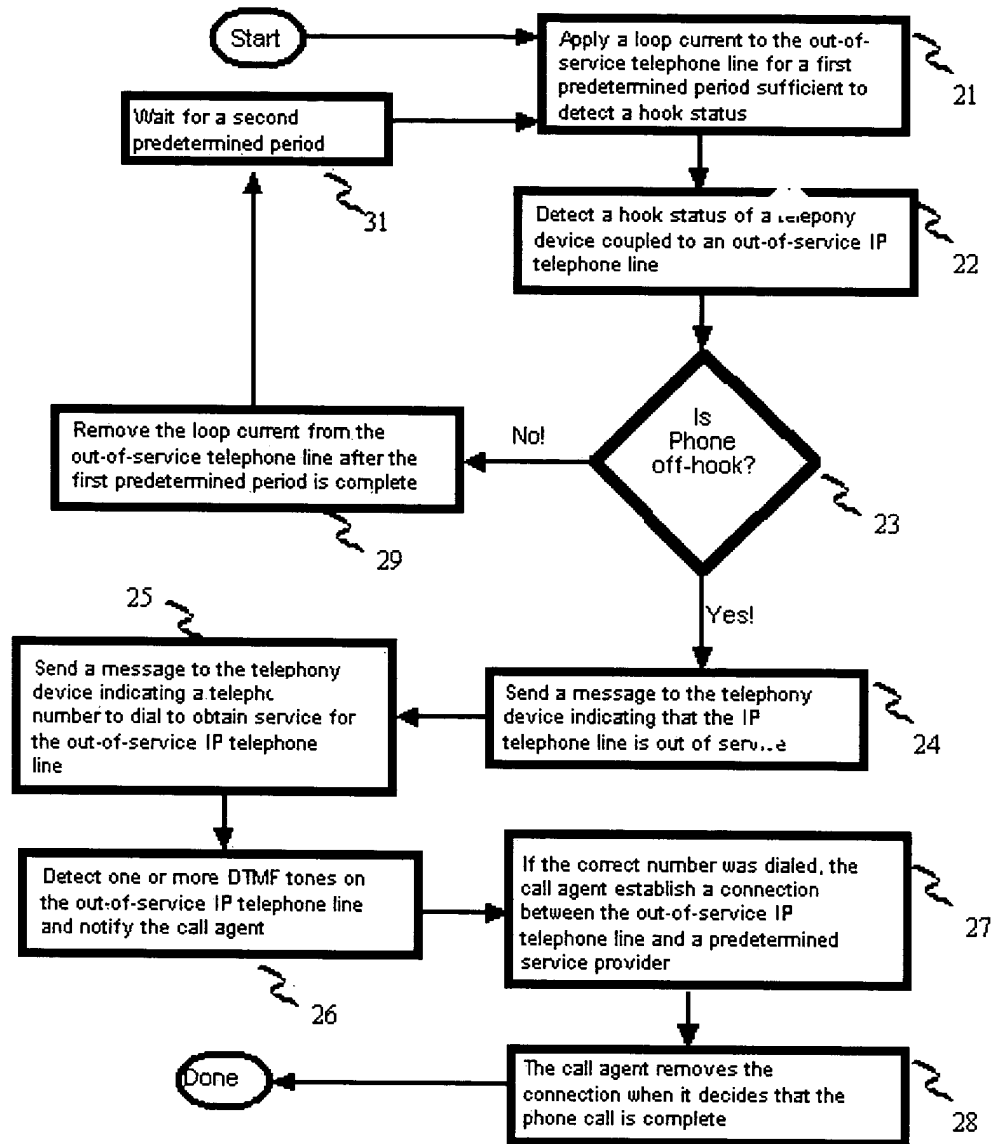
**FIG 1**

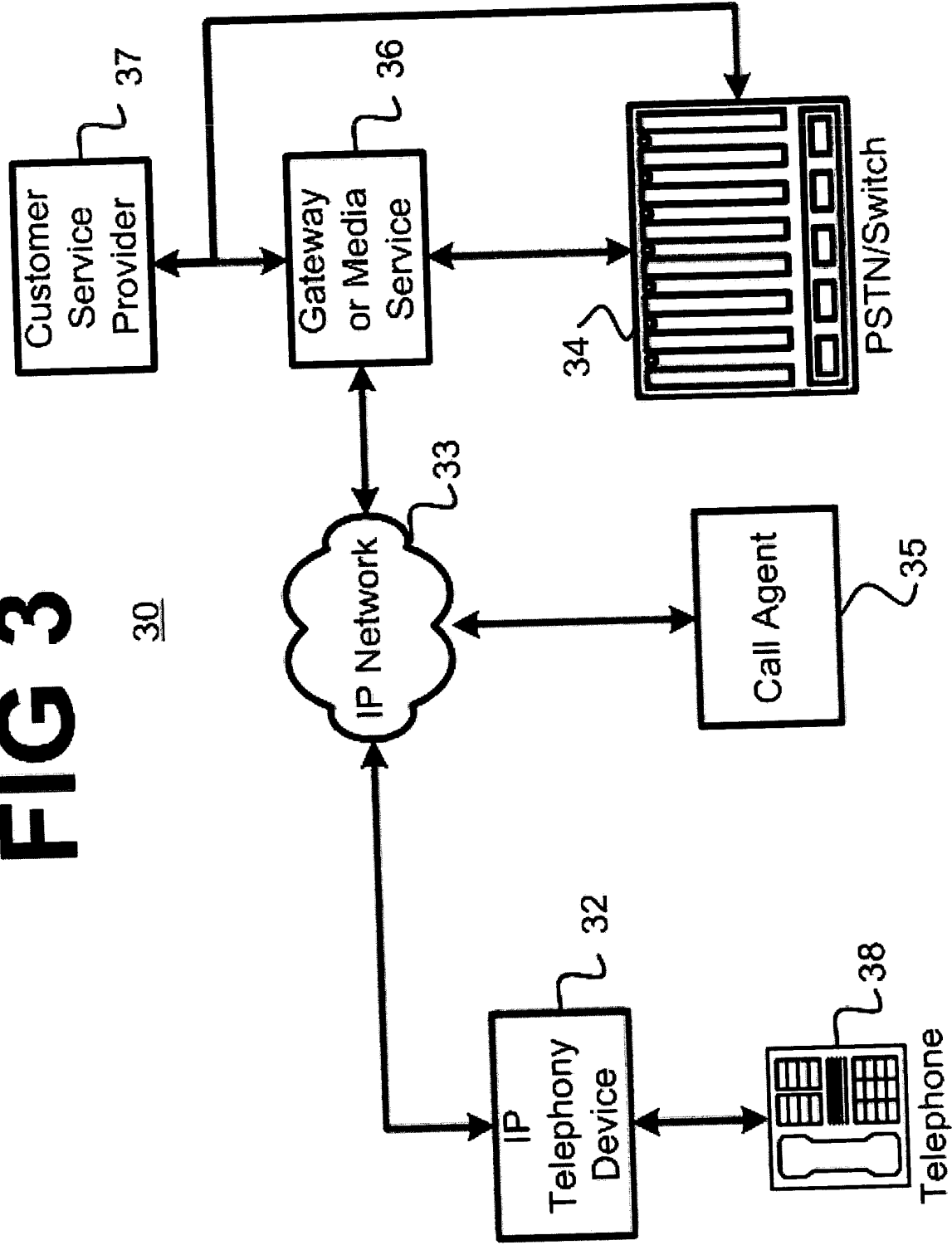
FIG 2

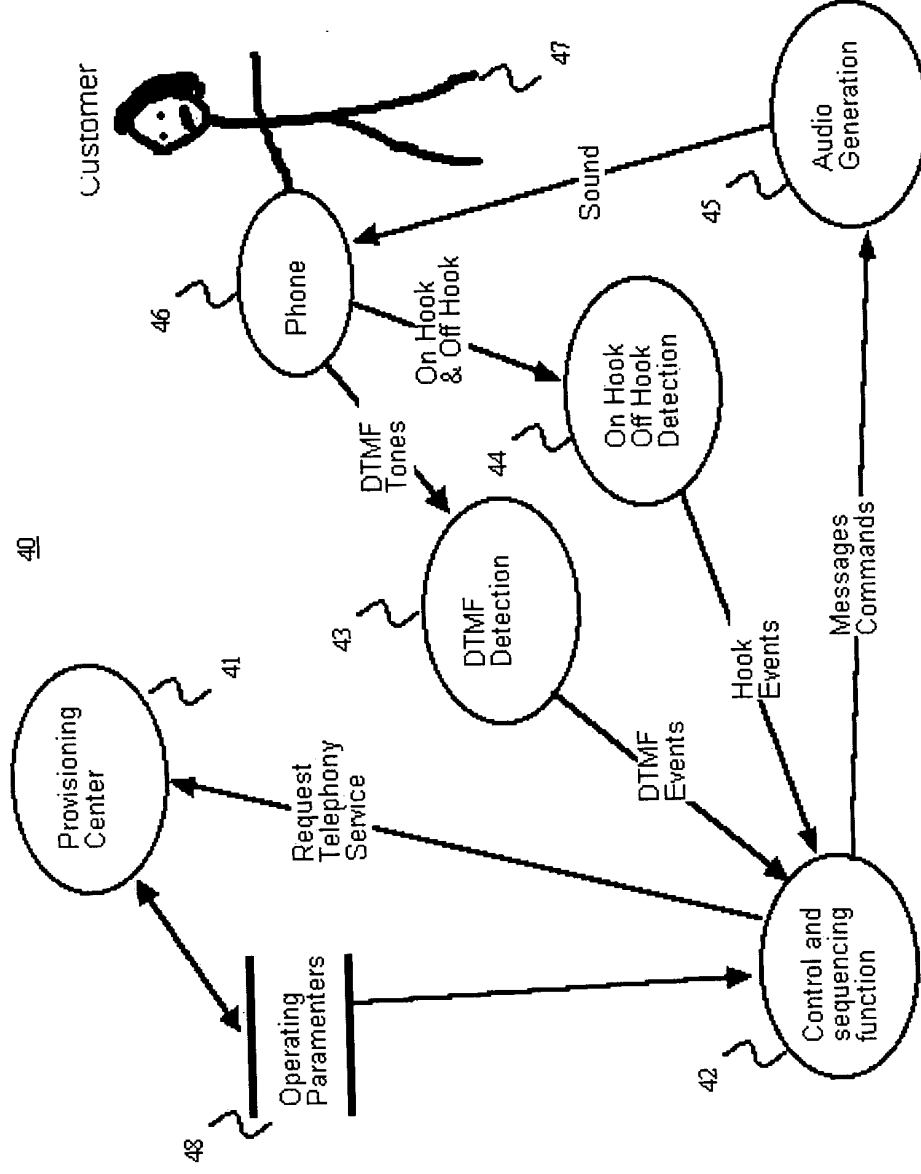
20



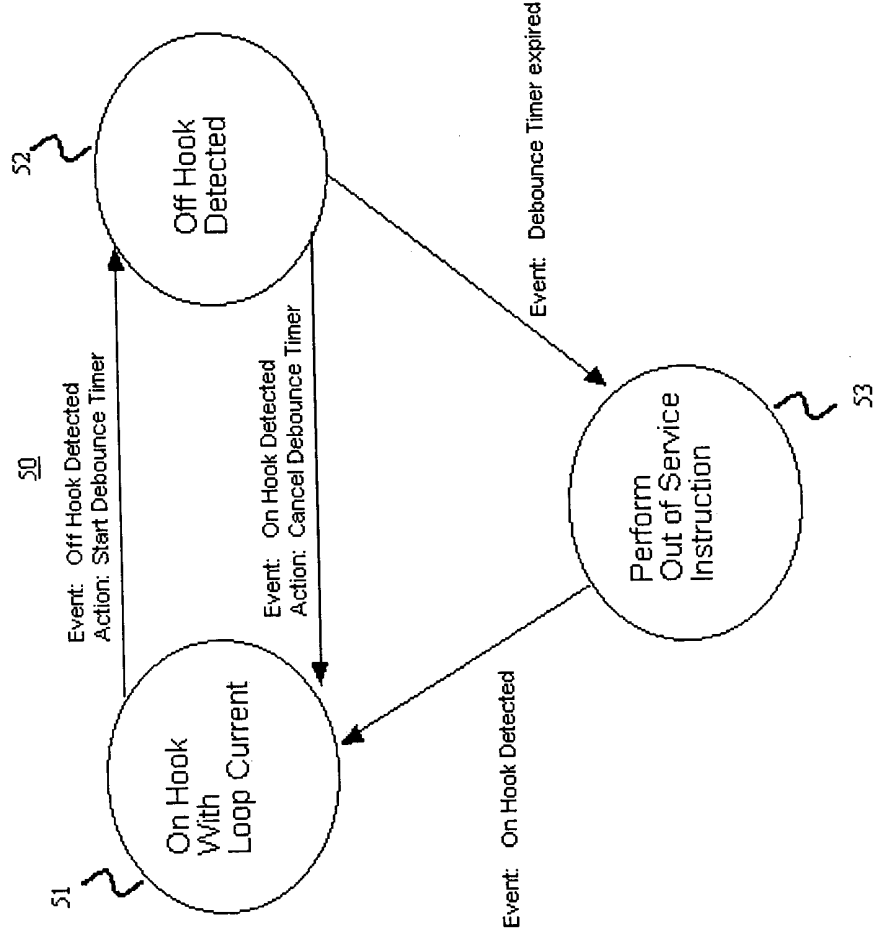
# FIG 3

30

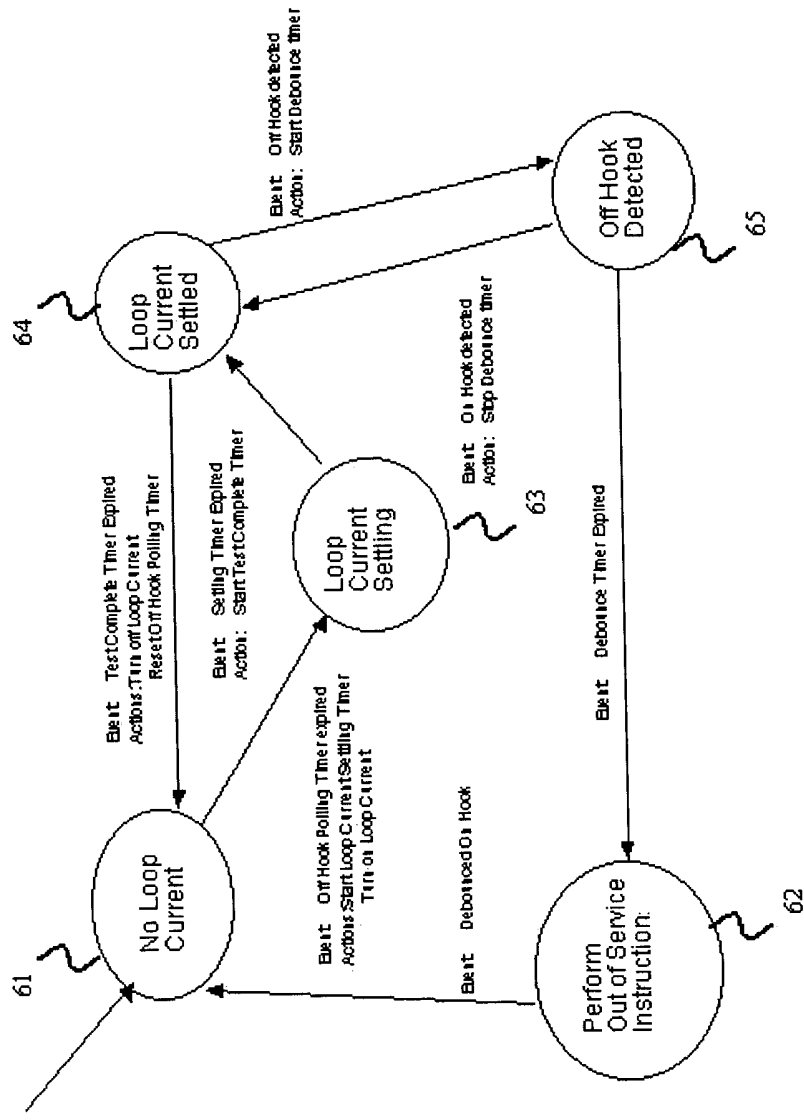




**FIG 4 – System Data Flow Diagram**



**FIG 5 – Normal Hook Status Detection State Machine**



**FIG 6 – Power Savings Hook Status Detection State Machine**